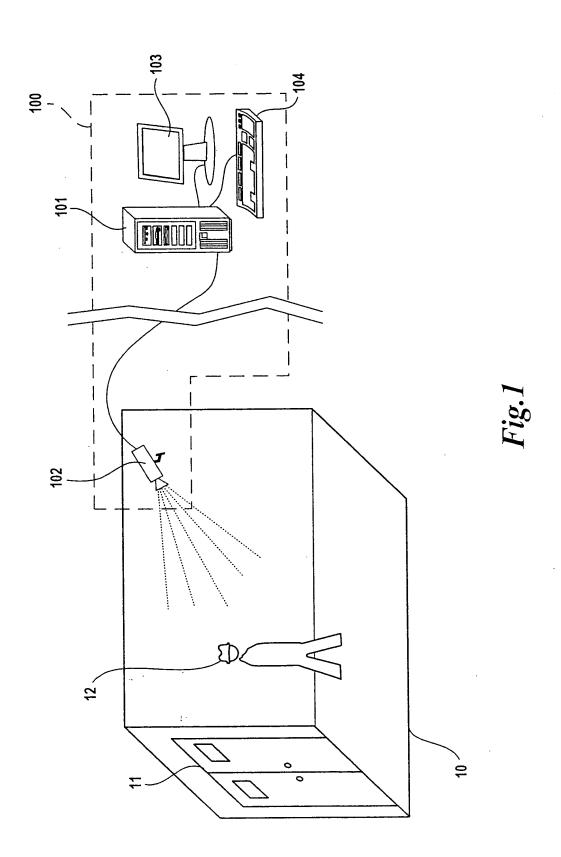
Title: DIRECTIONAL MOTION ESTIMATOR
Inventors: Ed Millet; Charlene Kelley; Eric McRae
Express Mail No.: EV 315 828 321 US
Docket No.: ADTV121404



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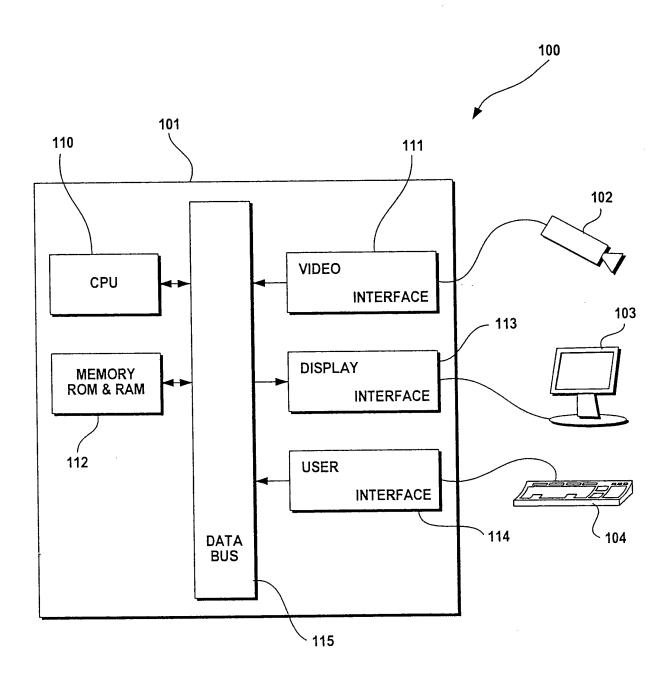


Fig.2

Ed Millet; Charlene Kelley; Eric McRae Inventors:

Express Mail No.: EV 315 828 321 US ADTV121404 Docket No.:

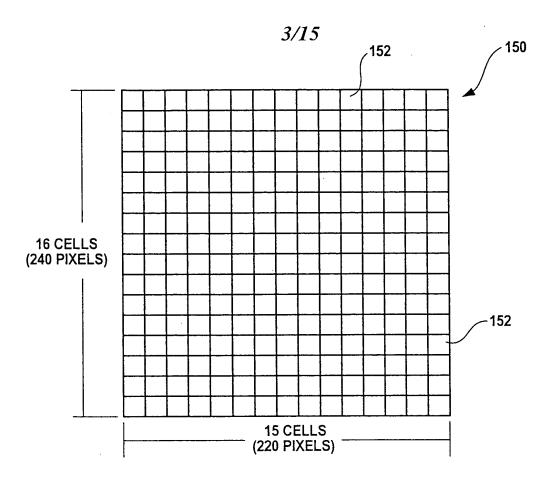


Fig.3A

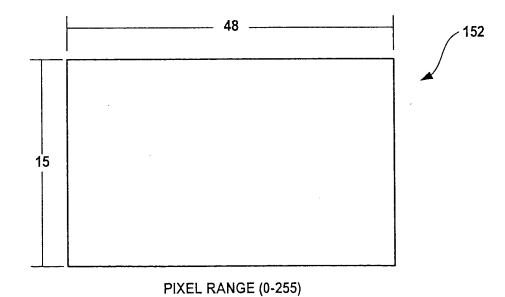


Fig.3B

Title: DIRECTIONAL MOTION ESTIMATOR Inventors: Ed Millet; Charlene Kelley; Eric McRae

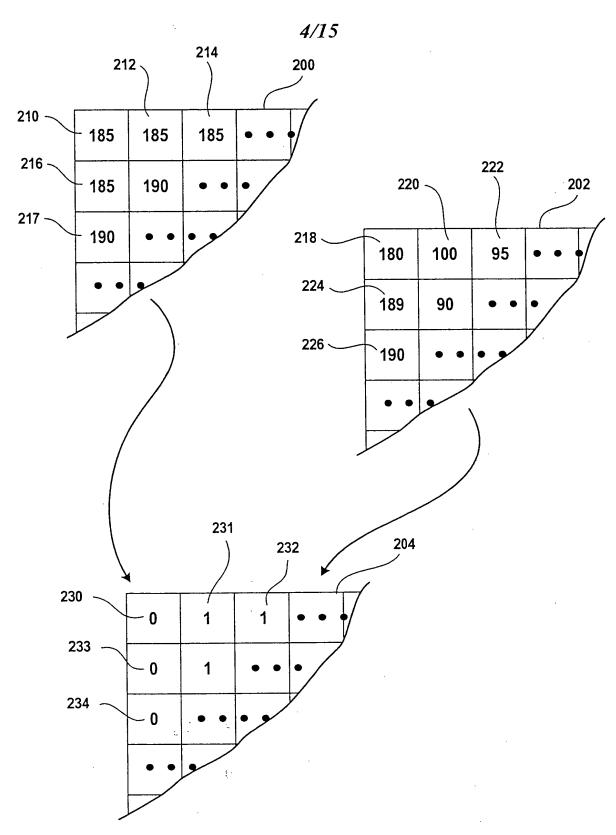


Fig.4

Express Mail No.: EV 315 828 321 US Docket No.: ADTV121404 5/15 410 **START** 400 412 SAMPLE FOUR IMAGE FRAMES $(1_1, 1_2, 1_3, 1_4)$ 414 CALCULATE THE AVERAGE PIXEL VALUE IN EACH **CELL FOR EACH IMAGE FRAME** (l_1, l_2, l_3, l_4) 416 GENERATE THE ACTIVITY SAMPLE A, FROM IMAGE FRAMES I, AND I, 418 GENERATE THE ACTIVITY SAMPLE A, FROM IMAGE FRAMES I₂ AND I₃ 420 GENERATE THE ACTIVITY SAMPLE A, FROM IMAGE FRAMES I₃ AND I₄ 422 CALCULATE CENTER OF MASS FOR ACTIVITY SAMPLE A. 424 CALCULATE CENTER OF MASS FOR ACTIVITY SAMPLE A, 426 CALCULATE CENTER OF MASS FOR ACTIVITY SAMPLE A, 428 CALCULATE DIRECTION VECTOR V, FROM ACTIVITY SAMPLES A, AND A, 430 CALCULATE DIRECTION VECTOR V_2 FROM ACTIVITY SAMPLES A_2 AND A_3 Fig.5A

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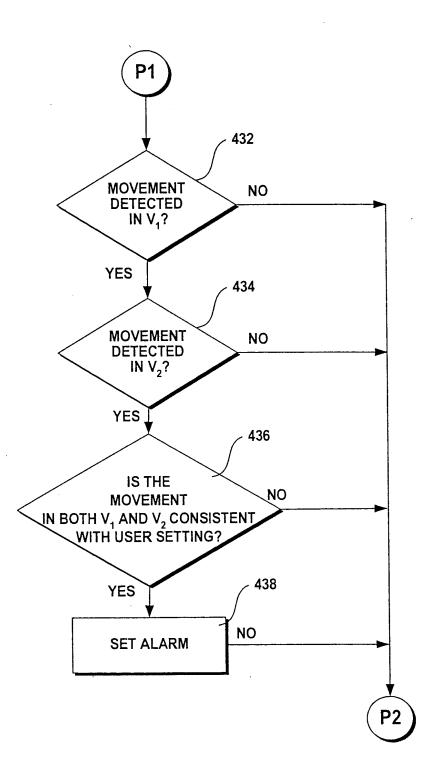


Fig.5B

Inventors: Ed Millet; Ch

Ed Millet; Charlene Kelley; Eric McRae

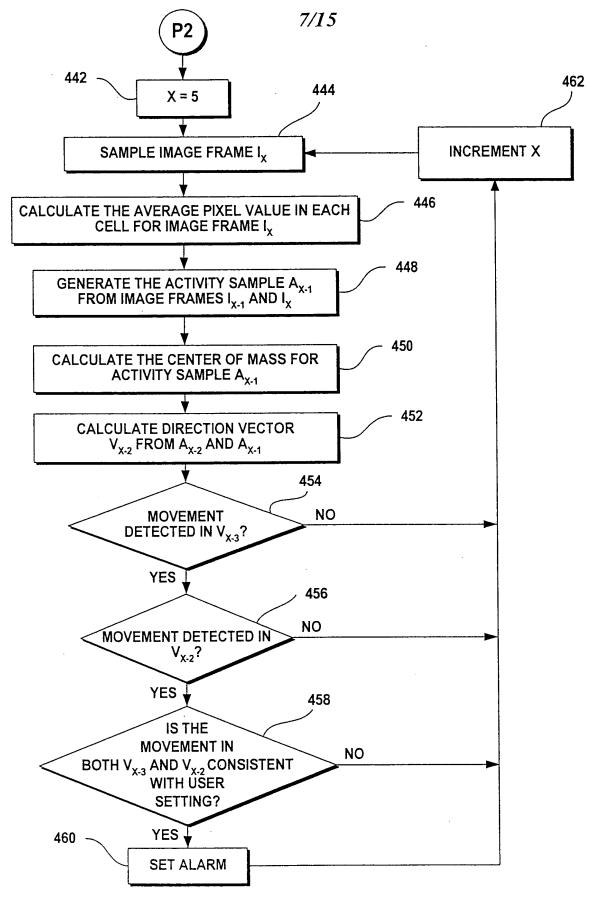
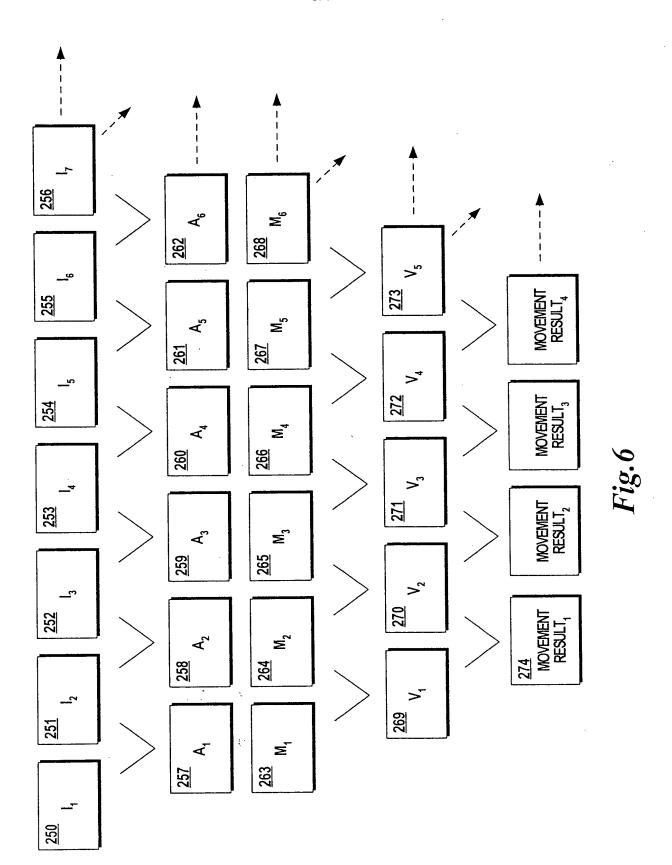


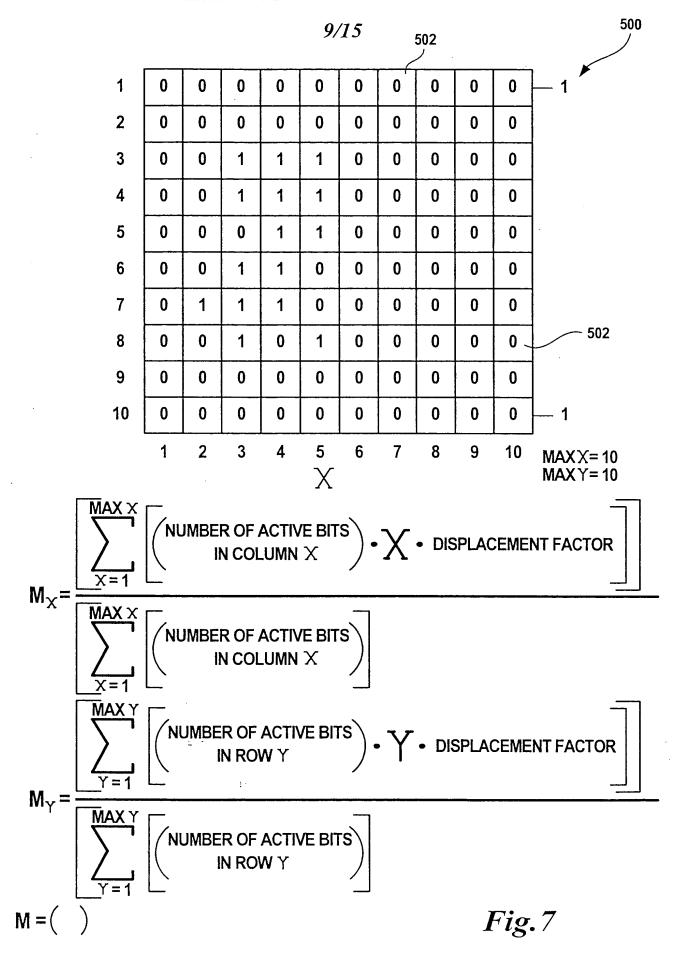
Fig.5C

Title: DIRECTIONAL MOTION ESTIMATOR Inventors: Ed Millet; Charlene Kelley; Eric McRae

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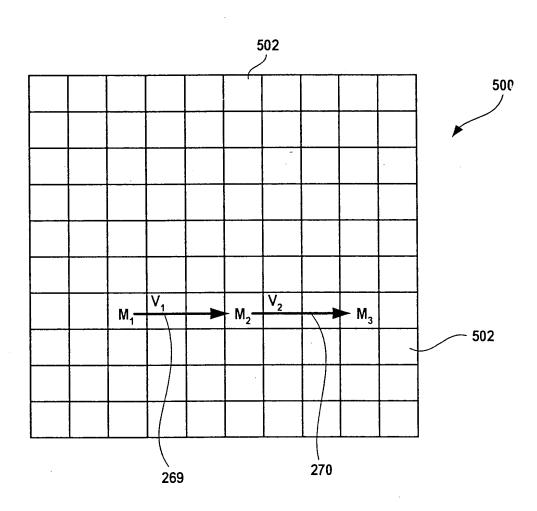


Fig.8

Inventors: Ed Millet; Charlene Kelley; Eric McRae Express Mail No.: EV 315 828 321 US
Docket No.: ADTV121404

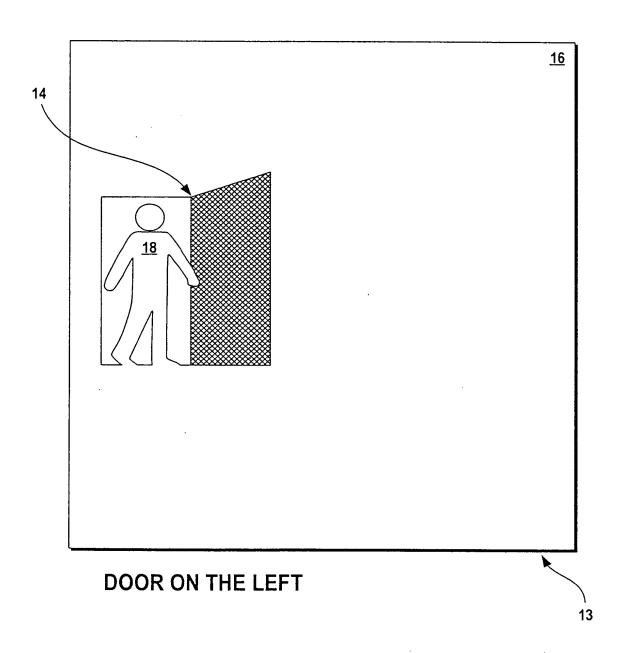


Fig.9

Inventors: Ed Millet; Charlene Kelley; Eric McRae

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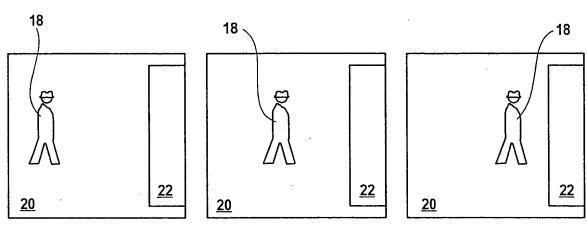
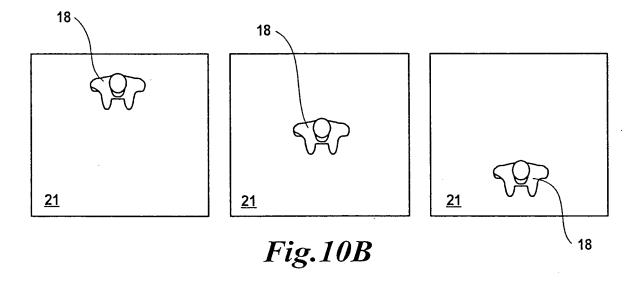


Fig.10A



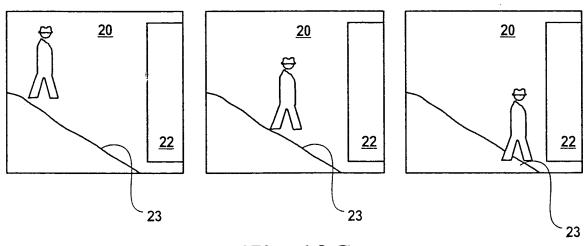
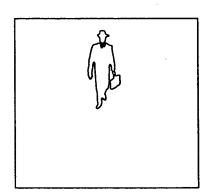
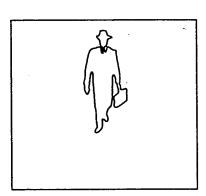


Fig.10C

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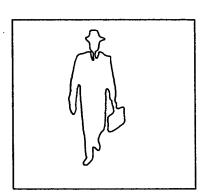


Fig.11

Inventors: Ed Millet; Charlene Kelley; Eric McRae Express Mail No.: EV 315 828 321 US
Docket No.: ADTV121404

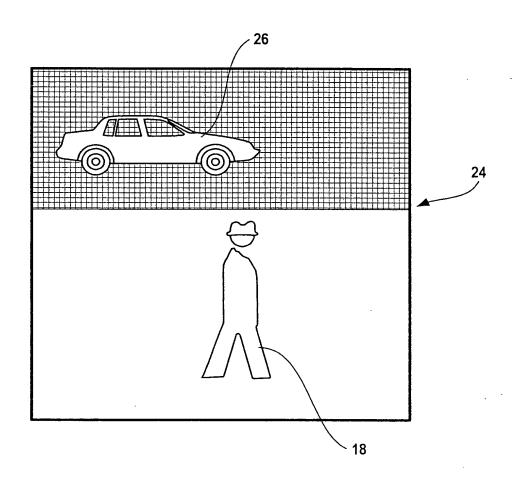


Fig.12

Inventors: Ed Millet; Charlene Kelley; Eric McRae

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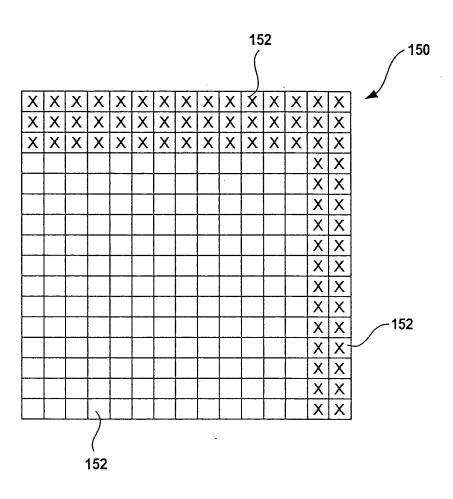


Fig.13